

## Arş. Gör. TUNCAY ERDİL

### Kişisel Bilgiler

İş Telefonu: [+90 312 210 5829](tel:+903122105829)

E-posta: [tunerdil@metu.edu.tr](mailto:tunerdil@metu.edu.tr)

Web: <https://avesis.metu.edu.tr/e217065>

### Uluslararası Araştırmacı ID'leri

ScholarID: GqT\_MOMAAAAJ

ORCID: 0000-0002-5187-5902

Publons / Web Of Science ResearcherID: GRU-3089-2022

ScopusID: 57880883400

Yoksis Araştırmacı ID: 385121

### Araştırma Alanları

Metalurji ve Malzeme Mühendisliği

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **B-Site Doping Boosts the OER and ORR Performance of Double Perovskite Oxide as Air Cathode for Zinc-Air Batteries**  
Ozgun Ç., Erdil T., Geyikci U., Yıldız İ., Lokcu E., Toparlı Ç.  
CHEMPHYSICHEM, cilt,25, sa,22, 2024 (SCI-Expanded)
- II. **Earth-Abundant Divalent Cation High-Entropy Spinel Ferrites as Bifunctional Electrocatalysts for Oxygen Evolution and Reduction Reactions**  
ERDİL T., ÖZGÜR Ç., Geyikci U., LÖKÇÜ E., TOPARLI Ç.  
ACS APPLIED ENERGY MATERIALS, cilt,7, sa,18, ss,7775-7786, 2024 (SCI-Expanded)
- III. **Engineering Oxygen Vacancies in (FeCrCoMnZn)<sub>3</sub>O<sub>4-δ</sub> High Entropy Spinel Oxides Through Altering Fabrication Atmosphere for High-Performance Rechargeable Zinc-Air Batteries**  
Özgür Ç., Erdil T., Geyikci U., Okuyucu C., Lökçü E., Kalay Y. E., Toparlı Ç.  
Global Challenges, cilt,8, sa,1, 2024 (SCI-Expanded)
- IV. **B-Site Effect on High-Entropy Perovskite Oxide as a Bifunctional Electrocatalyst for Rechargeable Zinc-Air Batteries**  
Erdil T., Toparlı Ç.  
ACS APPLIED ENERGY MATERIALS, cilt,6, sa,21, ss,11255-11267, 2023 (SCI-Expanded)
- V. **Facile Synthesis and Origin of Enhanced Electrochemical Oxygen Evolution Reaction Performance of 2H-Hexagonal Ba<sub>2</sub>CoMnO<sub>6-δ</sub> as a New Member in Double Perovskite Oxides**  
Erdil T., Lökçü E., Yıldız İ., Okuyucu C., Kalay Y. E., Toparlı Ç.  
ACS OMEGA, cilt,7, sa,48, ss,44147-44155, 2022 (SCI-Expanded)
- VI. **Effect of synthesis environment on the electrochemical properties of (FeMnCrCoZn)<sub>3</sub>O<sub>4</sub> high-entropy oxides for Li-ion batteries**  
Bayraktar D. O., LÖKÇÜ E., ÖZGÜR Ç., Erdil T., TOPARLI Ç.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt,46, sa,15, ss,22124-22133, 2022 (SCI-Expanded)

I. NANO POROUS HIGH ENTROPY OXIDE ELECTROCATALYST FOR HYDROGEN PRODUCTION

ÖZGÜR Ç., TOPARLI Ç., ERDİL T., LÖKÇÜ E.

3rd INTERNATIONAL MATERIALS TECHNOLOGIES AND METALLURGY CONFERENCE-2023, İstanbul, Türkiye, 11 - 13 Ekim 2023